

**FAMILY AND CONSUMER SCIENCES
MULTI-PURPOSE TECHNOLOGY LABORATORY**

February 3, 2014

I. PROGRAM REQUIREMENTS

Refer to the project-specific Schedule of Spaces for student stations, square footage, and for any requirements that may differ from the prototype requirements listed below:

- 1 Laboratory
- 1 Material Storage Room

II. PROGRAM FURNITURE AND EQUIPMENT

Refer to the Furniture and Equipment List for Owner-provided furniture and equipment.

III. SPECIAL CONSIDERATIONS

1. Heating/Ventilation/Air Conditioning

Provide exhaust for the owner-provided clothes dryer in the Laboratory.

2. Acoustical

Standard, refer to the General Design Requirements section.

3. Floor

Standard, refer to the General Design Requirements section.

4. Walls

Provide hard tile or other low maintenance flooring in the Laboratory and Material Storage Room.

5. Ceiling

Standard, refer to the General Design Requirements section.

6. Lighting

Standard, refer to the General Design Requirements section.

7. Windows

Standard, refer to the General Design Requirements section.

8. Doors

Standard, refer to the General Design Requirements section.

9. Water

Laboratory

Provide one (1) double sink with hot and cold water at each kitchen area, no spray attachment. Provide a garbage disposal at the sink in the demonstration kitchen area only.

Provide water supply and drainage for the owner-provided washing machine in the Laboratory.

Provide water supply for the owner-provided refrigerator/freezers with ice makers.

Material Storage Room

Provide an 80 gallon water heater, rapid recovery type, to serve the Family and Consumer Sciences Laboratory only.

10. Communications

Provide a clock, intercom speaker and intercom handset in the Laboratory.

Provide data and AV connections and associated power outlets in the Laboratory, in accordance with the General Design Requirements section and SDHC standards EXCEPT in lieu of the student computer outlets, provide four (4) quadraplex data outlets with adjacent power outlets in one area, spaced approximately four (4) feet apart.

11. Electrical

Laboratory

Provide four (4) quadralex power outlets, located as as noted above.

Provide two (2) duplex outlets at each of the kitchen areas.

Electrical service to Laboratory must be adequate to support many small kitchen appliances, in addition to the kitchen equipment listed herein.

Provide a main disconnect switch for all cooking (not refrigerated) equipment, located on the teaching wall.

Provide a disconnect switch for each range, located near the ranges.

Provide power for the owner-provided clothes dryer.

12. Gas and Air

Not applicable

13. Safety

Provide a fire extinguisher in a recessed cabinet, located near the ranges in the Laboratory.

14. Fencing

Not applicable

15. Service Drives

Not applicable

16. Parking

Not applicable

17. Contractor-Provided Equipment and Casework

Laboratory

Provide two (2) kitchen areas. One of these is to be located so as to be usable for demonstration purposes. At each kitchen area provide the following:

- (12) linear feet of base and wall cabinets, to include the range, double sink, and two (2) banks of graduated drawers, countertops to be 36" above the floor. Provide full-height backsplashes at all cabinets.
- (1) flat-top range with oven and hood, located against the wall.
- (1) microwave oven mounted over the range.
- (1) dishwasher at the demonstration kitchen area only.

Note: the owner will provide two refrigerator/freezers. Plan for one to be located in the demonstration kitchen and the other to be located for general use.

Provide five (5) lockable tote tray storage cabinets, 24" wide x 24" deep x 84" high, with twelve (12) fixed shelves and center divider, complete with tote trays. Tote trays are to be 10 1/2" wide x 19" long x 3 1/2" high, molded plastic.

Provide two (2) lockable storage cabinets, 48" wide x 24" deep x 84" high, with space on one (1) side for the storage of brooms and ironing boards and five (5) adjustable shelves on the other side.

Provide one (1) general storage cabinet, see SDHC standard detail.

18. Contractor-Provided Instructional Aids

Laboratory

Provide a 12' wide x 4' high markerboard with 4' wide x 4' high tackboard on one (1) side, bottom to be mounted 36" above the floor.

Install an owner-provided projector and mounting bracket, centered on the wall over the markerboard.

19. Other Considerations

The Laboratory is to be located on the ground level with convenient access to the parking lot for transporting groceries to the Laboratory.

The Laboratory should be planned so as to be as open as possible, to allow the instructor a clear view of all kitchen areas. The ranges must be located against the wall in each kitchen area.

SPACE RELATIONSHIPS

